

SPECIFICATION SHEET

PART NUMBER : EVNSL0172BL-XXXX

STYLE : 60°C 300V
COMMUNICATION CABLE

DESCRIPTION: CAT5E F/UTP STRD. PVC BULK

RECOGNIZED: UL 、 ETL 、 3P

BLACK BOX NETWORK SERVICES

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SPECIFICATION

STYLE	60°C 300V COMMUNICATION CABLE	
SIZE	F/UTP 26AWG×4P	ESTABLISHED DATE : Sep/15/2011
STANDARD : ISO/IEC 11801 ED.2 CLASS D & ANSI/TIA-568-C.2 CAT 5E IEC 60332-1-2 & EN 50288-2-2		
APPLICATION : ULTRA HIGH PERFORMANCE LAN CABLE ARE SUITABLE FOR PERFECT AUDIO DATA AND VIDEO OF TRANSFER FOR HORIZONTAL NETWORK		
CONSTRUCTION :		
CONDUCTOR	SIZE	26AWG
	CONSTRUCTION	STRANDED BARE COPPER
	COND. DIAM.	7/0.160±0.008 mm 0.00629±0.00031 inch
CENTERED	AVG. THICK.	0.250 mm 0.00984 inch
	MIN. THICK.	0.150 mm 0.00590 inch
	DIAMETER	0.90 ± 0.06 mm 0.03543±0.00236 inch
	MATERIAL	HDPE
Inner-Shield	Al-Mylar Type	Insulation on outside surface
	Mylar Type	
Drain Wire	Material	TINNED COPPER
	Size	30AWG
	Construction	7/0.121±0.005mm
PAIRS	SHIELDED	ALL 4 PAIRS
	COLOR CODES	1. BLUE × WHITE/BLUE STRIPE 2. ORANGE × WHITE/ORANGE STRIPE 3. GREEN × WHITE/GREEN STRIPE 4. BROWN × WHITE/BROWN STRIPE
JACKET	AVG. THICK.	0.55 mm 0.02165 inch
	MIN. THICK.	0.46 mm 0.01811 inch
	DIAMETER	5.60± 0.20 mm 0.22047±0.00787 inch
	MATERIAL	PVC
	COLOR	BLUE
PACKAGING	Reel or Spool	Spool

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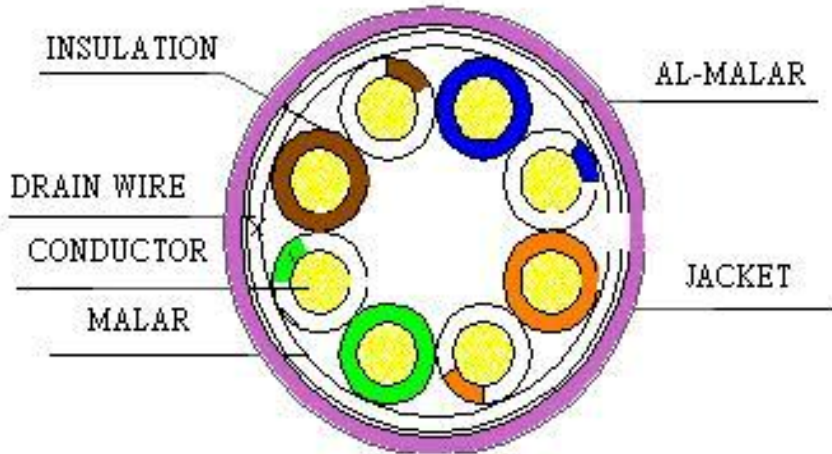
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ELECTRICAL & PHYSICAL PROPERTIES :			
ITEM		26AWG × 4P	
RATING TEMP VOLTAGE		60°C 300V	
CONDUCTOR RESISTANCE		9.38 OHM/100m/20°C MAX.	
MUTUAL CAPACITANCE		5600 pF/100M MAX.	
DIELECTRIC STRENGTH		AC 2.5 KV/3 SECONDS.	
SPARK TEST		2±0.25KV	
INSULATION	UNAGED	TENSILE STRENGTH	1.682 Kg/m m ²
		ELONGATION	300% MIN.
JACKET	UNAGED	TENSILE STRENGTH	1.407 Kg/m m ²
		ELONGATION	100% MIN.
	AGED	TENSILE STRENGTH	UNAGED MIN. 75%(100°C×168HRS)
		ELONGATION	UNAGED MIN. 50%(100°C×168HRS)
INSULATION SHRINKBACK		150mm, 121°C±2°C×1HR≤9.5mm	
COLD BEND TEST		-20°C×4HRS NO CRACK	
FLAME RETARDANT TEST		CM	
AC LEAKAGE CURRENT THROUGH OVERALL JACKET		AC 1500V ≤ 10 mA	
DC RESISTANCE UNBALANCE		5% MAX.	
PAIR-TO-GROUND CAPACITANCE		330 pF/100m MAX.	
CHARACTERISTIC IMPEDANCE		1 ~ 100 MHz 100±15 OHMS	
PROPAGATION DELAY		100 MHz 548nS/100m MAX.	
DELAY SKEW		1 ~ 10 MHz 40±10nS/100m MAX.	
PRINTING : BLACK BOX CORPORATION GUARANTEED FOR LIFE (724) 746-5500 --- CATEGORY 5E SHIELDED ▲ E196163-Y CM (UL) c(UL) F/UTP 60°C 4PR 26AWG STR ▲ 3P VERIFIED TO ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 & EN 50288-2-2 & IEC 60332-1-2 YY-MM			

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Electrical performance (50 METER LOOP)

ITEM(dB) Frequency (MHz)	IL MAX. (dB/50m)	NEXT MIN. (dB)	PS. NEXT MIN. (dB)	ACRF MIN. (dB/50m)	PS. ACRF MIN. (dB/50m)	R. L. MIN. (dB)
1	2.2	60.0	57.0	57.4	54.4	17.0
4	4.5	53.5	50.5	45.4	42.4	17.0
8	6.3	48.6	45.6	39.3	36.3	17.0
10	7.1	47.0	44.0	37.4	34.4	17.0
16	9.1	43.6	40.6	33.3	30.3	17.0
20	10.2	42.0	39.0	31.4	28.4	17.0
25	11.4	40.3	37.3	29.4	26.4	16.0
31.25	12.9	38.7	35.7	27.5	24.5	15.1
62.5	18.6	33.6	30.6	21.5	18.5	12.1
100	24.0	30.1	27.1	17.4	14.4	10.0



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